INSYS icom
Industrial Data Communication

DIN rail
MoRoS Modem / ISDN

Shape	Transmission technology: 3G/HSPA	GSM/GPRS/EDGE	xDSL	Ethernet	WLAN	Analogue	ISDN
DIN-rail serial	□	□	□	□	□	□	□
DIN-rail network	□	□	□	□		■	■
Desktop	□	□				□	□
19´´ rack						□	□
Embedded module	□	□	□	□	□	□	□

Remote access to Ethernet devices

The industial router combines a modem, a router and a switch in one device. It can be connected via analogue or digital telephone network. The dial-in and dial-out functionality enables remote maintenance and operation of devices in an lokal network.

The integrated switch allows a direct connection for up to five network devices. Via a web interface the configuration ot the MoRoS is very fast and easy.

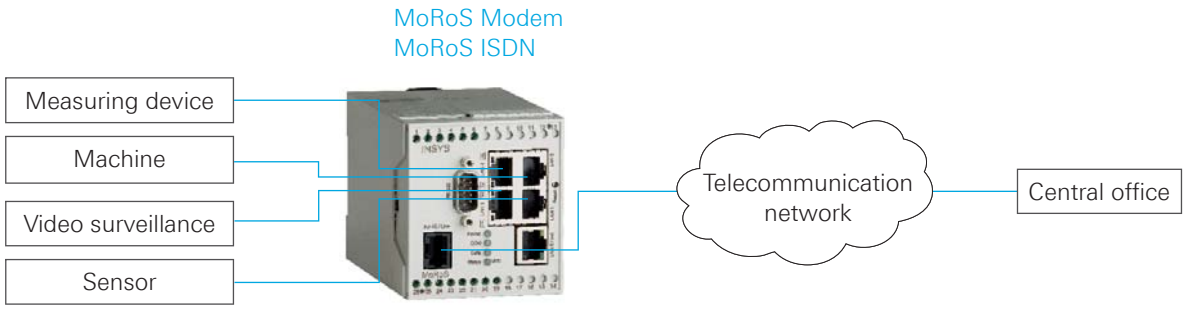
MoRoS can make a direct and also an internet connection. With the integrated Linux Sandbox users can implement their own applications.

Features

- Dial-in and dial-out router
- Integrated communication module (analogue modem or ISDN-TA)
- 4+1 port switch with 10/100 MBit/s
- Redundant communication
- User programmable Linux Sandbox
- VPN security
- Connection to INSYS Connectivity Service possible

Applications

- Access to a network with SPS, HMI and data logger
- Modem-replacement for devices with an Ethernet interface



Technical data
MoRoS Modem / ISDN

Data transmisson	
Analogue modem	Switched line up to 56 kBits/s, for international use
ISDN	EURO-ISDN up to 64 kBits/s
Router	
Function	Dial-in, dial-out, connection management, DHCP server and client, full NAT (port forwarding, net mapping), DNS relay, dynDNS support
Security	OpenVPN (client and server), IPsec, PPTP, firewall, 10 user for dial-in, authentication with PAP/CHAP/MS-CHAP/MS-CHAP 2, dialing filter for dial-out
Redundancy	LAN/integrated DUN device/external serial modem, 2 dial-out target, 2 OpenVPN server
Switch	
Ports	4+1 x RJ45 (4 switchports + 1 LAN/ext.)
Operation mode	10 / 100 MBit/s full- and half-duplex mode
Function	Automatically recognizes patch/crossover cables, Automatic speed adjustment, MDI/MDI-X, port mirroring, VLAN
Serial interface	Serial-Ethernet-gateway (incoming and outcoming connections, modem emulation)
Configuration	Web interface local and remote, text and binary file, automatic updates
I/Os	2 inputs to send sms or e-mail, establish dial-out connection, VPN tunnel 2 isolated outputs switchable with the configuration surface, time-scheduled, displays PPP connection, diplays VPN connection
Programming	User access to an embedded Linux system (Sandbox), 150 MB permanent file system, socket access, sample programs: e-mail and sms client, serial logger etc.
Messages	System messages via e-mail, SMS and SNMPS traps SNMP V1/V2c/V3
Additional features	Update firmware and configuration (local and remote), hardware watchdog
Electric features	
Power supply	10...60 V DC
Power consumption	appr. 5 W (during connection)
Pysical features	
Size in mm	110 l x 70 w x 75 h
Temperature range	-20...+55°C
Humidity	0...95% (non condensing)

Product description	Features	Order number
MoRoS Modem	analogue modem	10000199
MoRoS ISDN	ISDN-TA	10000202

Establish VPN connections the easy and secure way.

With the INSYS Connectivity Service!

www.insys-icom.com/connectivity

INSYS Connectivity

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